

CALIFORNIA ENERGY COMMISSION
Solar Shade Screen
Project Summary

Project Description:

This project, administered by Novatia, Inc., provided a \$1.00 per square foot incentive. This funded 25% of the cost to install exterior solar screens on all south, west and east facing windows, skylights and glass doors. Solar shade screens replace regular screens on windows, and are specially designed to reduce the heat gain to homes and buildings from direct sunlight. The solar screen reduces heat gain from entering the window by 70 to 90 percent without hindering visibility. Reducing heat gain from the sun reduces air conditioning usage, prevents carpet/fabric fading and makes the living space more comfortable.

Project Results:

The project helped fund installation of 1.7 million square feet of shade screens, saving 4.1 megawatts of peak electricity demand. The average customer installed 115 square feet of solar shade screen on their home.

During the course of the program, many customers mentioned a dramatic decrease in the amount of heat coming through the windows after the screens were installed. They also noted this lowered their air conditioning costs. Consumers felt that the shade screens made a noticeable difference in the comfort level in their homes, and they were pleased with the quality of the workmanship, the variety of colors available, and the appearance of the screens on their homes.

Funding Details:

The program was awarded \$3.4 million over a two year period to market and install as many square feet of shade screen as possible in the state of California. At the end of the two year period, the program had succeeded in distributing \$2,441.637 in funding. This figure includes program administration costs and the \$1.7 million distributed in incentives.

Contact:

California Energy Commission: Maura Clark, 916.653.6231